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ABSTRACT

A course for youth and adults interested in a career in apparel manufacturing and the needle trades is presented. Instruction will include a sampling tour of interest, introducing all phases of the industry from designing to shipping. Instructional materials include films, transparencies, lectures and demonstrations, information sheets, educational pamphlets, booklets, books and other materials. (CK)

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AUTHORIZED COURSE OF INSTRUCTION FOR THE QUINMESTER PROGRAM

DADE COUNTY PUBLIC SCHOOLS

Course Outline
APPAREL MANUFACTURING - 9377
(Exciting Careers in Apparel Manufacturing)

Department 45, 48 - Quin 9377.01

DIVISION OF INSTRUCTION•1973

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D A D E C O U N T Y P U B L I C S C H O O L S

1 4 5 0 N O R T H E A S T S E C O N D A V E N U E

M I A M I, F L O R I D A 33132

Course Outline

APPAREL MANUFACTURING - 9377
(Exciting Careers in Apparel Manufacturing)

Department 45, 48 - Quin 9377.01

county office of

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Dade County Public Schools
Miami, Florida 33132

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Course Description

9377	45, 48	9377.01	Exciting Careers in Apparel Manufacturing
State Category Number	County Dept. Number	County Course Number	Course Title

This course includes introduction to the apparel manufacturing industry. It will also include a planned tour, an overview of the scope of the trade, development of skills and basic industrial sewing machine practices.

Clock Hours: 45

PREFACE

The following quinmester outline has been prepared for youth and adults, skilled and unskilled, who are interested in an exciting career in apparel manufacturing and the needle trades in general. The student will be given the opportunity to explore the field of fashion for furthering his or her goals.

This course is presented as a basic quinmester course and is 45 clock hours in length covered in six blocks of instruction which are further subdivided in several units each.

Upon completion of the course, the student will understand the underlying principles of our society in relation to the "World of Work" and will have an overview and understanding of the largest single segment of the needle trades, the complete organization including company policy, standards, practice and procedures and other knowledgeable facts regarding a career in commercial garment making.

Teaching methods will be based on the ability of the student, depending upon the individual. The instruction will include a sampling tour of interest, introducing all phases of the industry from the beginning department of designing to shipping out the products. Field trips will be planned for actual visits to the manufacturing plants where the employer, who appreciates a meaningful curriculum, will cooperate with industry-education and will administer the proper introduction to all key management and supervisory personnel for a thorough explanation of the nature of the operation of the plant.

The instruction is further developed by use of available films, transparencies, lectures and demonstrations, information sheets, educational pamphlets, booklets, books and other materials which will be recommended for the course of study.

This outline was developed through the cooperative efforts of the instructional and supervisory personnel, the Quinmester Advisory Committee, and the Vocational Curriculum Materials Service and has been approved by the Dade County Vocational Curriculum Committee.

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Student Benefits	1
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Opportunity to Work and Contribute to our Society	1
Personal Security	2
Freedom of Movement and Expression	2
Opportunity for Use and Enjoyment of Production	2
III. EXCITING CAREERS IN THE APPAREL MANUFACTURING INDUSTRY (10 Hours)	
Brief History of the Needle Trades	2
Overview of the Apparel Manufacturing Industry	2
Manufacturing Company Organization	2
Departmental Opportunities Available in in Industry	2
Administrative Opportunities	3
IV. PRACTICE POLICIES (5 Hours)	
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Making a Good Impression	3
V. BASIC INDUSTRIAL SEWING MACHINE PRACTICE (20 Hours)	
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GOALS

The Commercial Garment Making student must be able to:

1. Demonstrate the ability to practice and maintain good health and hygiene.

2. Demonstrate an understanding of safe work practice with machine equipment and tools.

3. Demonstrate an understanding of the history and development of the apparel manufacturing industry.

4. Understand the practical, meaningful and realistic insights into the nature of the 'World of Work'.

5. Demonstrate the ability to control the industrial-type sewing machine.

6. Demonstrate the ability to practice safety precautions.

SPECIFIC BLOCK OBJECTIVES

BLOCK I - ORIENTATION

The student must be able to:

1. Write a list of rules for safety in sewing machine operation and demonstrate the proper handling of tools.
2. List in writing five qualifications for employment.
3. Define in writing the scope of the needle trades.

BLOCK II - THE UNDERLYING PRINCIPLES OF OUR SOCIETY RELATING TO THE WORLD OF WORK

The student must be able to:

1. State in writing the underlying principles of society relating to the world of work.
2. Explain in writing how work contributes to personal security, freedom and expression.

BLOCK III - EXCITING CAREERS IN THE APPAREL MANUFACTURING INDUSTRY

The student must be able to:

1. Write a brief history of the development of the needle trades, especially the segment concerning apparel manufacturing.
2. List three departments essential to the successful operation of apparel manufacturing.
3. Describe in writing the operation of an apparel manufacturing plant which has been visited.
4. Using a newspaper, describe the tremendous potential in opportunities available in the industry.

BLOCK IV - PRACTICE POLICIES

The student must be able to:

1. State in writing his or her obligation to the employer.
2. Describe in writing how making a good impression helps in keeping a job.

BLOCK V - BASIC INDUSTRIAL SEWING MACHINE PRACTICE

The student must be able to:

1. Understand how to function effectively, safely and efficiently in the operation of the industrial sewing machine.
2. Demonstrate good posture habits.
3. State the reason for removing the presser foot from the machine before starting control practice.
4. Explain the reason for stripping the machine of all thread before starting control practice.

5. Describe the function of the treadle.
6. State why the switch must be turned off when the machine is not in use.

BLOCK VI - QUINMESTER POST-TEST

The student must be able to:

1. Satisfactorily complete the quinmester post-test.

Course Outline

APPAREL MANUFACTURING - 9377
(Exciting Careers in Apparel Manufacturing)

Department 45, 48 - Code 9377.01

I. ORIENTATION

A. Objective of the Course
   1. Methods of evaluation
      a. Paper and pencil tests
      b. Manipulation
      c. Job performance
      d. Sewing on target
   2. Standards

B. Student Responsibilities
   1. School policies
      a. Absences
      b. Make-up
      c. Promptness
   2. Safety regulations
   3. Work regulations
      a. Good health and hygiene
      b. Appropriate dress
      c. Reporting lost equipment
      d. Reporting ineffective equipment
      e. Good housekeeping
   4. Development of basic skills
      a. Mathematics
      b. Reading
      c. Communications

C. Student Benefits
   1. Opportunities for employment
      a. Scope of trade
      b. Job opportunities
      c. Geographical opportunities
   2. Qualifications for employment
      a. Job competency
      b. Pride of workmanship
      c. Attitude
      d. Dependability
      e. Personality
      f. Creativity
      g. Personal development
      h. Individual achievement
      i. Educational training

II. THE UNDERLYING PRINCIPLES OF SOCIETY RELATING TO THE WORLD OF WORK

A. Opportunity To Work and Contribute to our Society
   1. Work essential for earning a living

2. Satisfaction for making contribution to society
3. Work as part of American culture - a way of life

B. Personal Security
1. A degree of security for individuals in order to be happy
2. The economy - dependent on the collective security of citizens

C. Freedom of Movement and Expression
1. Freedom of speech and movement - basic to our way of life
2. Each individual expression - our own individual opinion
a. To travel
b. To work
c. To live wherever we wish

D. Opportunity for Use and Enjoyment of Production
1. Payment according to our ability
2. Freedom to spend earnings
a. In lawful and accepted manner
b. Obligation of payment of taxes

III. EXCITING CAREERS IN THE APPAREL MANUFACTURING INDUSTRY

A. Brief History of the Needle Trades

B. Overview of the Apparel Manufacturing Industry
1. Company policy
2. Standards
3. Practice
4. Procedures

C. Manufacturing Company Organization

D. Departmental Opportunities Available in the Industry
1. Design
a. History of costume
b. Designers
c. Sketching
d. Pattern making - draping
(1) Sloper
(2) Grading for size
e. Duplicate sample making
f. Sale of garments
g. Ordering of fabrics
h. Receiving of fabrics and trimmings
i. Making the marker
j. Spreading the fabric
k. Placing the marker on the fabric
2. Cutting
a. Bundling - sobar - other
b. Sewing - forelady
c. Trimming and inspection
d. Pressing
e. Assembling

f. Shipping
g. Receipt and storage for finished merchandise

E. Administrative Opportunities
1. General manager
2. Plant manager
3. Plant engineer
4. Cutting foreman
5. Supervisor, quality control
6. Production scheduler
7. Manager, warehouse, shipping and traffic
8. Supervisor, finishing department

IV. PRACTICE POLICIES

A. Student Obligations
1. Preparation of interview
2. Appearance
3. Manners
4. Obtaining information from employer

B. Keeping the Job
1. Personal policies
a. Safety
b. Health
c. Conduct of employees
2. Maintaining quality and quantity of work

C. Making a Good Impression
1. Good behavior
2. Success and self-improvement
3. Ability to get along with others
4. Initiative
5. Desire for personal progress
6. Pride in employer, work and products of the company

V. BASIC INDUSTRIAL SEWING MACHINE PRACTICE

A. Seating Arrangement
1. Good posture
2. Chair height comfortable seating
3. Center of body directly in line with needle
4. Operator sits relaxed - hands on lap

B. Machine Parts and Their Uses
1. Feed dog - helps feed material through machine
2. Presser foot - replacement
3. Presser bar lever - raising and lowering presser foot
4. Treadle
a. Function
b. Using the treadle for machine control
5. The on-off switch

VI. QUINMESTER POST-TEST

BIBLIOGRAPHY
(Exciting Careers in Apparel Manufacturing)

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Supplementary References:

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9. Apparel Manufacturing. Riverside: Bill Fitzmaurice, Publisher, 1971. Pp. 3.

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13. Operator's Handbook, The. How To Understand Time-Study and Rate Setting. Columbia: Needle Trades Publishing Corp., 11th printing, 1968. Pp. 20.

14. Southern Garment Manufacturer. Atlanta: Ernest H. Abernethy Publishing Co., Inc., 1972. Pp. 52.

A P P E N D I X

Quinmester Post-Test Sample

Quinmester Post-Test

Name _____ Date _____ Score _____

INSTRUCTIONS: Read each question carefully before attempting to answer it. Write the answer on a "Standard Answer Sheet" which you can secure from your instructor. Be accurate and neat in your work. Do not copy the questions; simply number each question in the left hand margin.

PART I

1. Explain the responsibilities of the student regarding school and work.
2. Why is good health and hygiene a necessary factor for success in our society.
3. Safety habits are stressed in all walks of life. Why?
4. Define the scope of the needle trades.
5. What type of manufacturing is considered the largest single segment of the needle trades.
6. List at least five qualifications for employment.
7. Write a safety slogan and draw a cartoon.
8. Explain the importance of a good personality in relation to getting along with people.
9. How does good housekeeping help to make your work easier.
10. What will continuing education mean to you in the future.

PART II

1. What are the underlying principles of our society in relation to work.
2. How do the underlying principles apply to you in your work.
3. In what city and state was clothing first manufactured.
4. What caused the demand for factory made clothing?
5. Why should you avoid wearing wide sleeves, dangling bracelets and necklaces when you work on the sewing machine?
6. State the main reason why factory systems appealed to the manufacturer.
7. Who is the recognized inventor of the sewing machine in America.

8. What are some of the job opportunities in the apparel manufacturing industry.

9. How does the Apparel Manufacturing Industry in Miami compare in growth with other cities in America?

10. Write a report of your experience during the tour through an apparel manufacturing plant, using the following questions as guide.

    a. What impressed you the most
    b. How did the key personnel respond to your visit
    c. List at least five departments as you remember them
    d. Is the equipment in class comparable with that in industry
    e. Was there a cafeteria or lunchroom within the plant
    f. Did the employees seem happy with their jobs
    g. Describe the plant lay-out
    h. How did safety measures figure in the operation
    i. Did the tour motivate you to make sewing a career?
    j. Make an evaluation of the tour

PART III - MULTIPLE CHOICE TEST ITEMS

1. In what country or state was the first recorded attempts made to invent the sewing machine. (1) London, (2) New York, (3) Vienna, (4) France, (5) Philadelphia

2. Who was the inventor of the first recorded sewing machine?
   (1) Walter Hunt, (2) Henry Lye, (3) Charles F. Weisenthal, (4) Elias Howe, (5) Isaac Merritt Singer

3. Who was the recognized inventor of the sewing machine in America?
   (1) Walter Hunt, (2) Isaac Merritt Singer, (3) Allen Benjamin Wilson, (4) Elias Howe, (5) Henry Lye

4. What part of the machine starts the motion? (1) The balance wheel, (2) The presser bar, (3) The presser foot, (4) The feed dog, (5) The treadle

5. How do you stop the machine (1) With the hand on the balance wheel, (2) By pressing down with the toe, (3) By pressing down with the heel, (4) By using the presser foot, (5) Pressing the knee lift

PART IV - COMPLETION TEST ITEMS

INSTRUCTIONS: Fill in the blank or blanks with the word or words that make the statement correct.

1. If the presser foot is not _____, it will damage the feed dog.

2. If the feet are not in the correct position on the _____, no positive action will occur.

3. Raising the presser foot is done with the _____

4. Pressing the _____down firmly on the treadle will start the motion of the machine.

5. A good operator knows the value of_____and_____ in her work.

6. The reason the machine is stripped of_____is because without cloth under the presser foot the machine will_____.

7. Your hands must be on your _____when you first begin to practice _____the machine.

8. Miami is the _____largest apparel manufacturer in the country.

9. The feed dog has _____ which helps to feed the material when sewing.

10. Good attitudes are important for _____ _____ with people.

PART V - PERFORMANCE TEST

INSTRUCTIONS: This test is designed to show how the student can perform in relation to the industrial--type sewing machine.

1. Show the proper seating arrangements.

2. Turn the switch to on position, place the hands on the lap

3. Lift the presser foot with the presser bar lever.

4. Remove the presser foot

5. Remove the thread from the upper and lower parts of the machine

6. Sew short runs with controlled start and sharp stop for 10 minutes

7. Sew, maintaining an even speed for 10 minutes

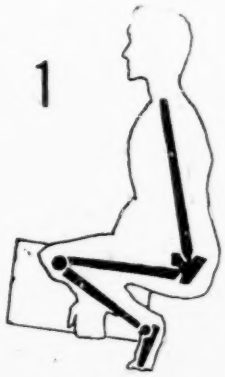
8. Stop the machine sharply

9. Replace the presser foot

10. Lower the presser foot with the presser bar lever

PART VI - IDENTIFICATION TEST

INSTRUCTIONS: Identify the machine parts, the hand tools and state whether the seating position in the sketch is correct or incorrect. Score 10 points for each.

1 

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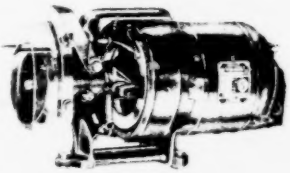
5 

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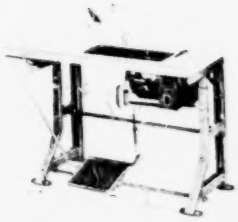
10 

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

ANSWER KEY TO QUINMESTER POST-TEST

PART I

Questions:

1. 2, 3, 6, 7, 9, 10: Any answer satisfactorily acceptable to the instructor.

4. Almost everything wearable, almost everything in the home, camping equipment out side the home, and accesories are a part of the needle trades. Geographically, the needle trades is one of the most vital industries to the economy in all of the countries.

5. The Apparel Manufacturing Industry

PART II

1. Achieve fairness, opportunity to work, and contribute to society, personal security, freedom of movement and expression, opportunity to use and enjoy what we produce. (Three answers should acceptable)

2. Full employment, everyone must have a basis for contributing to production and sharing consumption.

3. New Bedford, Mass.

4. Hand sewing was a slow process. The sailors that came back from a long sea voyage needed clothing badly and this was the start of the industry.

5. Safety precautions

6. Work was more uniform with sewing machine operations

7. Elias Howe - Hall of Fame New York

8. Any answer satisfactorily acceptable to the instructor

9. It is the third largest manufacturing center

10. Any answer satisfactorily acceptable to the instructor.

PART III - MUTLIPLE CHOICE TEST ITEMS

1. London

2. Charles F. Weisenthal

3. Elias Howe

4. The treadle

5. Pressing down firmly on the heel

PART IV

1. Raised
2. Treadle
3. Presser bar lever
4. Toe
5. Speed, quality
6. Thread, jam
7. Lap, controlling
8. Third
9. Teeth
10. Getting along

PART V

All this test answers should be satisfactorily acceptable to the instructor.

PART VI

1. Correct
2. Screw
3. Balance wheel
4. Presser foot
5. Motor
6. Feed dog
7. Presser bar lever
8. Screw driver
9. Tweezers
10. Treadle

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